Stormwater Pollution Prevention Plan (SWPPP)

For Construction Activities At:

The Cliff Villas Hotel Country Club
Carr. 111 Intersección Carr. 4458 (Interior),
Aguadilla, PR 00605
787-507-4751

SWPPP Prepared For:

The Cliff Corp.
P.O. Box 116
Aguadilla, PR 00605
and
Grupo Caribe, LLC.
PO Box 367197
San Juan, PR 00936-7197

SWPPP Prepared By:

LCDO. ALFREDO CINTRÓN NÚÑEZ
PO BOX 116
AGUADILLA PR 00605
(939) 640-5925
alfredocintron2@hotmail.com

SWPPP Preparation Date:

02/01/2022

Amended: 04/29/2022
05/23/2022
06/28/2022
07/28/2022

Estimated Project Dates:
Project Start Date: 02/22/2022
Project Completion Date: 02/28/2025

Contents

SECTION 1: CONTACT INFORMATION/RESPONSIBLE PARTIES

1.1 Operator(s) / Subcontractor(s)

Operator(s):

The Cliff Corp
Arq. Victor Nieves – Site Manager
Address: P.O. Box 116
Aguadilla, P.R., 00605
Telephone: 939-585-9105
Email: vnieves.rlpartners@gmail.com

Grupo Caribe, LLC
Eng. Daniel Jones – Project Manager
PO Box 367197
San Juan, PR 00936-7197
787-507-4751
djones@hotmail.es

Emergency 24-Hour Contact:

Grupo Caribe, LLC
Eng. Daniel Jones – Project Manager
787-507-4751
djones@hotmail.es

Operator Name	Contact Information	Responsibilities
The Cliff Corp.	Arq. Victor Nieves – Site Manager Telephone: 939-585-9105 Email: vnieves.rlpartners@gmail.com	The Cliff Corp will maintain the SWPPP documentation on site, keep SWPPP up-to-date, provide training to The Cliff Corp. and Grupo Caribe SWPPP Team and provide compliance support to all Permit obligations. The Cliff Corp. will not enable separate construction activities. All Construction activities will be developed and coordinated by Grupo Caribe, LLC. Any other activity perform by The Cliff Corp. must ensure compliance with this SWPPP.
Grupo Caribe, LLC	Eng. Daniel Jones – Project Manager Telephone: 787-507-4751 djones@hotmail.es	GRUPO CARIBE, LLC will conduct and document self- inspections required under Part 4.1 of the CGP on a weekly basis and within 24 hours of the end of a storm event of

		one-half inch or greater in all areas of the site covered by this SWPPP. GRUPO CARIBE, LLC will provide copies of inspection reports to the other operators covered by this SWPPP within 24 hours following each inspection. GRUPO CARIBE, LLC will be responsible for maintaining the cleanliness of the streets and storm drain inlet protection 0f Best Management Practices (BMPs) throughout the construction project. GRUPO CARIBE, LLC will conduct internal road cleaning on a weekly basis and prior to forecasted rain events. GRUPO CARIBE, LLC will also inspect and replace storm drain inlet protection of BMPs as necessary. GRUPO CARIBE, LLC will maintain erosion and sediment control BMPs in all areas of the site under its day-to-day control. GRUPO CARIBE, LLC will provide adequate designated concrete washout areas throughout the construction project and will be responsible for proper disposal of the concrete, mortar or grout collected there. Grupo Caribe, LLC will be responsible for maintaining compliance with the applicable SWPPP, including installation of erosion and sediment controls, within the individual lots under its day-to-day control. Any BMP changes that would trigger the need for a SWPPP modification shall be promptly communicated to The Cliff Corp.

Joint Responsibilities:

• Each operator shall file a Notice of Intent (NOI) to be covered by the Construction General Permit before beginning construction at the project, and permit coverage will be maintained throughout the project.

• No operator shall file a Notice of Termination (NOT) until all disturbed areas of the site under its day-to-day control have been effectively stabilized with permanent erosion controls that satisfy the final stabilization requirement in the CGP; the only allowed exception is those areas that have been effectively stabilized with temporary erosion controls and turned over to The Cliff Corp.

• Operators will maintain a clean site. Trash and debris will be picked up and disposed of properly by the end of each day.

• Each operator is responsible for advising employees and subcontractors working on this project of the requirements in the CGP and applicable SWPPP. Particular emphasis should be placed on ensuring that employees and subcontractors do not damage BMPs and do not introduce pollutants into the storm drain system.

1.2 Stormwater Team

Name and/or Position, and Contact	Responsibilities	I Have Completed Training Required by CGP Part 6.2	I Have Read the CGP and Understand the Applicable Requirements
Ing. Daniel Jones Project Manager 787-507-4751 djones@hotmail.es	Oversee overall activities, meet with supervisor and assign tasks and goals, conduct Part 4.1 Inspections	☒ Yes ☐ No	☒ Yes Date: 3/10/2022
Michael Perez Supervisor (787)548-0679 Email: n/a	Oversee day-to-day activities, assigns and coordinate tasks, and maintain areas.	☒ Yes ☐ No	☒ Yes Date: 3/10/2022
Alfredo Cintrón Preparer 939-640-5925 alfredocintron2@hotmail.com	Revise SWPPP to conform with CGP requirements and assist Project Manager in compliance and training	☒ Yes ☐ No	☒ Yes Date: 3/10/2022

Stormwater Team Members Who Conduct Inspections Pursuant to CGP Part 4

Name and/or Position and Contact	Training(s) Received	Date Training(s) Completed	If Training is a Non-EPA Training, Confirm that it Satisfies the Minimum Elements of CGP Part 6.3.b
Ing. Daniel Jones Superintendent 787-507-4751 djones@hotmail.es	Engineer with ample project development experience including implementing stormwater plans, who falls under the Appendix A definition of "Qualified Person" prior to February 17, 2023		☒ Principles and practices of erosion and sediment control and pollution prevention practices at construction sites ☒ Proper installation and maintenance of erosion and sediment controls and pollution prevention practices used at construction sites ☒ Performance of inspections, including the proper completion of required reports and documentation, consistent with the requirements of Part 4

SECTION 2: SITE EVALUATION, ASSESSMENT, AND PLANNING

2.1 Project/Site Information

Project Name and Address

Project/Site Name: The Cliff Villas Hotel Country Club Construction Project
Project Street/Location: Carr #111, Intersección Carr #4458 (Interior) Bo. Borínquen
City: Aguadilla
State: Puerto Rico
ZIP Code: 00605
County or Similar Subdivision: Aguadilla

Business days and hours for the project: 6am-4pm

Project Latitude/Longitude

Latitude: 18.4479° N (decimal degrees)
Longitude: - 67.1595 ° W (decimal degrees)

Latitude/longitude data source:

☐ Map ☒ GPS ☐ Other (please specify): _____

Horizontal Reference Datum:

☐ NAD 27 ☐ NAD 83 ☒ WGS 84

Additional Project Information

Are you requesting permit coverage as a "federal operator" as defined in Appendix A of the 2017 CGP? ☐ Yes ☒ No

Is the project/site located on Indian country lands, or located on a property of religious or cultural significance to an Indian tribe? ☐ Yes ☒ No

2.2 Discharge Information

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? ☐ Yes ☒ No

Are there any waters of the U.S. within 50 feet of your project's earth disturbances? ☐ Yes ☒ No

For each point of discharge, provide a point of discharge ID (a unique 3-digit ID, e.g., 001, 002), the name of the first receiving water that receives stormwater directly from the point of discharge and/or from the MS4 that the point of discharge discharges to, and the following receiving water information, if applicable:

Point of Discharge ID	Name of receiving water that receives stormwater discharge:	Is the receiving water impaired (on the CWA 303(d) list)?	If yes, list the pollutants that are causing the impairment:	Has a TMDL been completed for this receiving waterbody?	Is this receiving water designated as a Tier 2, Tier 2.5, or Tier 3 water?
001	Atlantic Ocean	☐ Yes ☒ No		☐ Yes ☒ No	☒ Yes ☐ No
002	Atlantic Ocean	☐ Yes ☒ No		☐ Yes ☒ No	☒ Yes ☐ No
003	Atlantic Ocean	☐ Yes ☒ No		☐ Yes ☒ No	☒ Yes ☐ No
004	Atlantic Ocean	☐ Yes ☒ No		☐ Yes ☒ No	☒ Yes ☐ No
005	Atlantic Ocean	☐ Yes ☒ No		☐ Yes ☒ No	☒ Yes ☐ No
006	Atlantic Ocean	☐ Yes ☒ No		☐ Yes ☒ No	☒ Yes ☐ No

[Include additional rows or delete as necessary.]

2.3 Nature of the Construction Activities

General Description of Project

Provide a general description of the nature of your construction activities, including the age dates of past renovations for structures that are undergoing demolition:

Combined residential-rental development in Aguadilla. No past renovations, no existing structures. The project will consist of 86 townhouse villas with additional facilities for residents. A portion may be destined for operation of a condo-hotel.

Size of Construction Site

Size of Property	11.04 acres (entire property)
Total Area Expected to be Disturbed by Construction Activities	9.6 acres
Maximum Area Expected to be Disturbed at Any One Time	9.6 acres

Type of Construction Site *(check all that apply)*:

☐ Single-Family Residential ☒ Multi-Family Residential ☒ Commercial ☐ Industrial

☐ Institutional ☐ Highway or Road ☐ Utility ☐ Other _____

Will there be demolition of any structure built or renovated before January 1, 1980? ☐ Yes ☒ No

If yes, do any of the structures being demolished have at least 10,000 square feet of floor space? ☐ Yes ☒ No ☐ N/A

Was the pre-development land use used for agriculture (see Appendix A for definition of "agricultural land")? ☐ Yes ☒ No

Pollutant-Generating Activities

List and describe all pollutant-generating activities and indicate for each activity the type of pollutant that will be generated. Take into account where potential spills and leaks could occur that contribute pollutants to stormwater discharges, and any known hazardous or toxic substances, such as PCBs and asbestos, that will be disturbed during construction.

Pollutant-Generating Activity (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal; and dewatering operations)	**Pollutants or Pollutant Constituents** (e.g., sediment, fertilizers, pesticides, paints, caulks, sealants, fluorescent light ballasts, contaminated substrates, solvents, fuels)
Grading and Landfill	Sediment
Concrete pouring for roads	Concrete (Limestone, sand, pH, chromium)
Maintenance and refueling of vehicles	Hydraulic oil/fluids (Mineral oil); Diesel (Petroleum distillate, oil & grease, naphthalene, xylenes)
Construction of new structures	Plaster (Calcium sulphate, calcium carbonate, sulfuric acid); Concrete

	(Limestone, sand, pH, chromium); Metal shavings (steel, aluminum, zinc); Sediment

2.4 Sequence and Estimated Dates of Construction Activities

Phase I

Infrastructure (water, power, phone, roads, etc)	
Estimated Start Date of Construction Activities for this Phase	2/22/2022
Estimated End Date of Construction Activities for this Phase	7/31/2023
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	11/3/2022
Estimated Date(s) when Stormwater Controls will be Removed	8/31/2023

Phase II

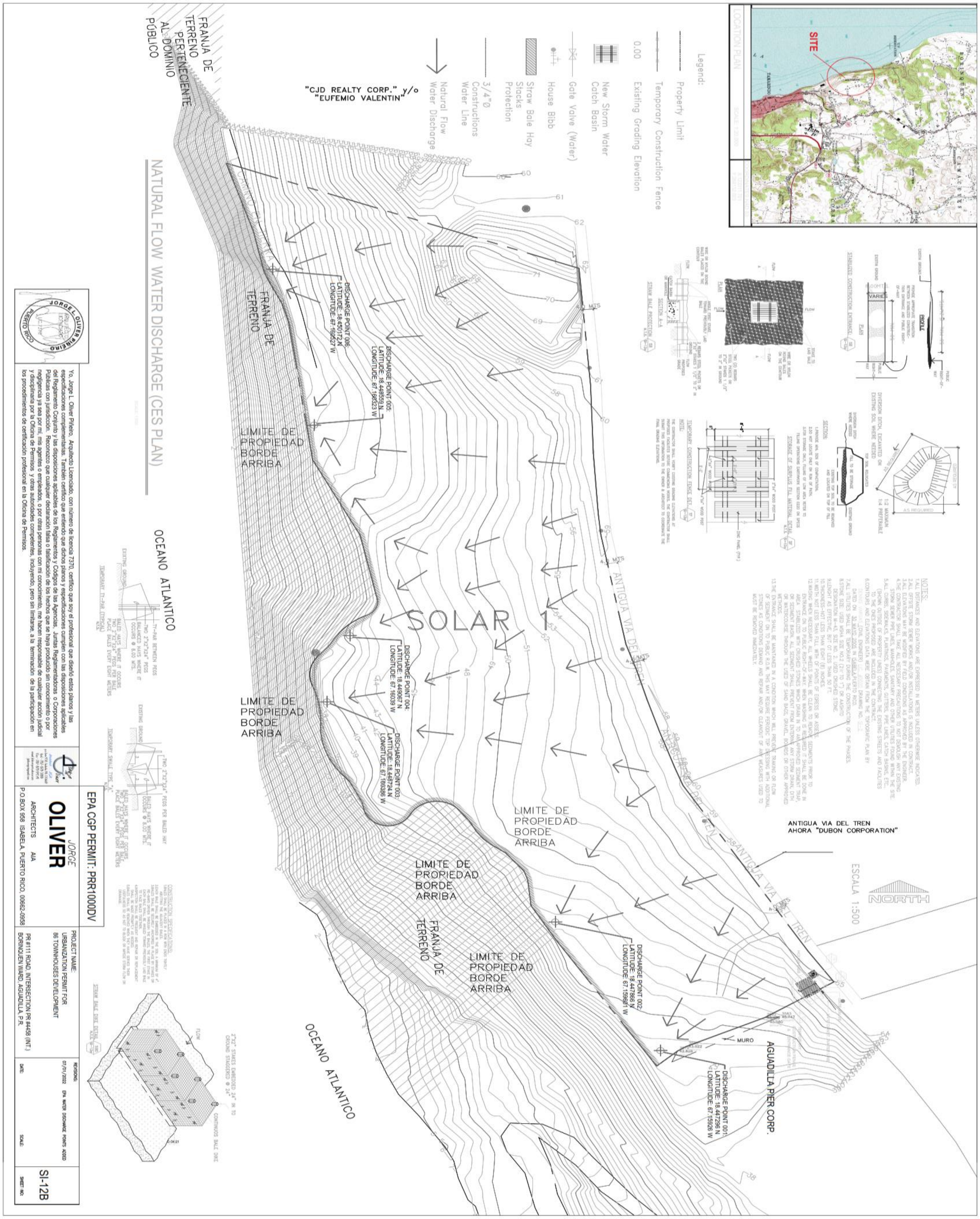
Construction of Villas	
Estimated Start Date of Construction Activities for this Phase	10/1/2022
Estimated End Date of Construction Activities for this Phase	10/31/2024
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	11/1/2022 *[Add additional dates as necessary]*
Estimated Date(s) when Stormwater Controls will be Removed	11/30/2025 *[Add additional dates as necessary]*

2.5 Authorized Non-Stormwater Discharges

List of Authorized Non-Stormwater Discharges Present at the Site

Authorized Non-Stormwater Discharge	Will or May Occur at Your Site?
Discharges from emergency fire-fighting activities	☒ Yes ☐ No
Fire hydrant flushings	☐ Yes ☒ No
Landscape irrigation	☒ Yes ☐ No
Water used to wash vehicles and equipment	☒ Yes ☐ No
Water used to control dust	☒ Yes ☐ No
Potable water including uncontaminated water line flushings	☒ Yes ☐ No
External building washdown (soaps/solvents are not used and external surfaces do not contain hazardous substances)	☒ Yes ☐ No
Pavement wash waters	☒ Yes ☐ No
Uncontaminated air conditioning or compressor condensate	☒ Yes ☐ No
Uncontaminated, discharges of ground water or spring water	☐ Yes ☒ No
Foundation or footing drains	☒ Yes ☐ No
Uncontaminated construction dewatering water	☒ Yes ☐ No

2.6 *Site Maps* (See Appendix A for larger copy)


NATURAL FLOW WATER DISCHARGE (CES PLAN)
Legend:
Property Limit
Temporary Construction Fence
Existing Grading Elevation
New Storm Water Catch Basin
Gate Valve (Water)
House Bibb
Straw Bale Hay Stacks Protection
3/4"Ø Constructions Water Line
Natural Flow Water Discharge
LOCATION PLAN
SITE
"CJD REALTY CORP." y/o "EUFEMIO VALENTIN"
FRANJA DE TERRENO PERTENECIENTE AL DOMINIO PÚBLICO
OCEANO ATLANTICO
SOLAR 1
LIMITE DE PROPIEDAD BORDE ARRIBA
FRANJA DE TERRENO
ANTIGUA VIA DEL TREN
ANTIGUA VIA DEL TREN AHORA "DUBON CORPORATION"
AGUADILLA PIER CORP.
ESCALA 1:500
NORTH
MURO
EPA CGP PERMIT: PRR1000DV
JORGE OLIVER
ARCHITECTS AIA
P.O.BOX 908 ISABELA, PUERTO RICO, 00662-0908
SI-12B

SECTION 3: DOCUMENTATION OF COMPLIANCE WITH OTHER FEDERAL REQUIREMENTS

3.1 Endangered Species Protection

Eligibility Criterion

Under which criterion listed in Appendix D are you eligible for coverage under this permit?

☒ **Criterion C**: Discharges not likely to adversely affect ESA-listed species and/or designated critical habitat..

Basis statement content/Supporting documentation: A basis statement supporting the selection of Criterion A should identify the USFWS and NMFS information sources used. Attaching aerial image(s) of the site to your NOI is helpful to EPA, USFWS, and NMFS in confirming eligibility under this criterion. Please Note: NMFS' jurisdiction includes ESA-listed marine and estuarine species that spawn in inland rivers. Check the applicable source(s) of information you relied upon:

☒ Specific communication with staff of the USFWS and/or NMFS.

Based on FWS and NOAA resources (detailed below and in SWPPP) we believe that there are few (if any) ESA species on land. No such species were seen in an on-site inspection by agronomist Gamaliel Rivera Rivera during the *Categorización de Habitat* performed on October 7, 2019. A copy of the *Categorización de Hábitat* is attached in the Appendix. In this report, it was found that the action area has been impacted over the course of the last century making it less likely for these species to have developed natively. The Palo de Rosa was not observed during the flora inventory. However, there is still a chance of finding the Puerto Rican Boa, for which a protocol is in place where if an individual is spotted, employees are instructed to notify the DRNA.

There may be corals and turtles in the waters, in excess of 50 feet from construction site. There are no critical habitats on land, and there is critical habitat of corals further than 50 feet from the construction site, which we are aware of and will mitigate and protect using the mentioned BMPs in this Plan.

☒ Species list from USFWS and/or NMFS. See the CGP ESA webpage, Step 2 for available websites.

✓ Resources used to make determination:

Fish and Wildlife Questionnaire for potential applicants under section 10: https://www.fws.gov/southeast/pdf/guidelines/questionnaire-for-potential-applicants-under-section-10.pdf

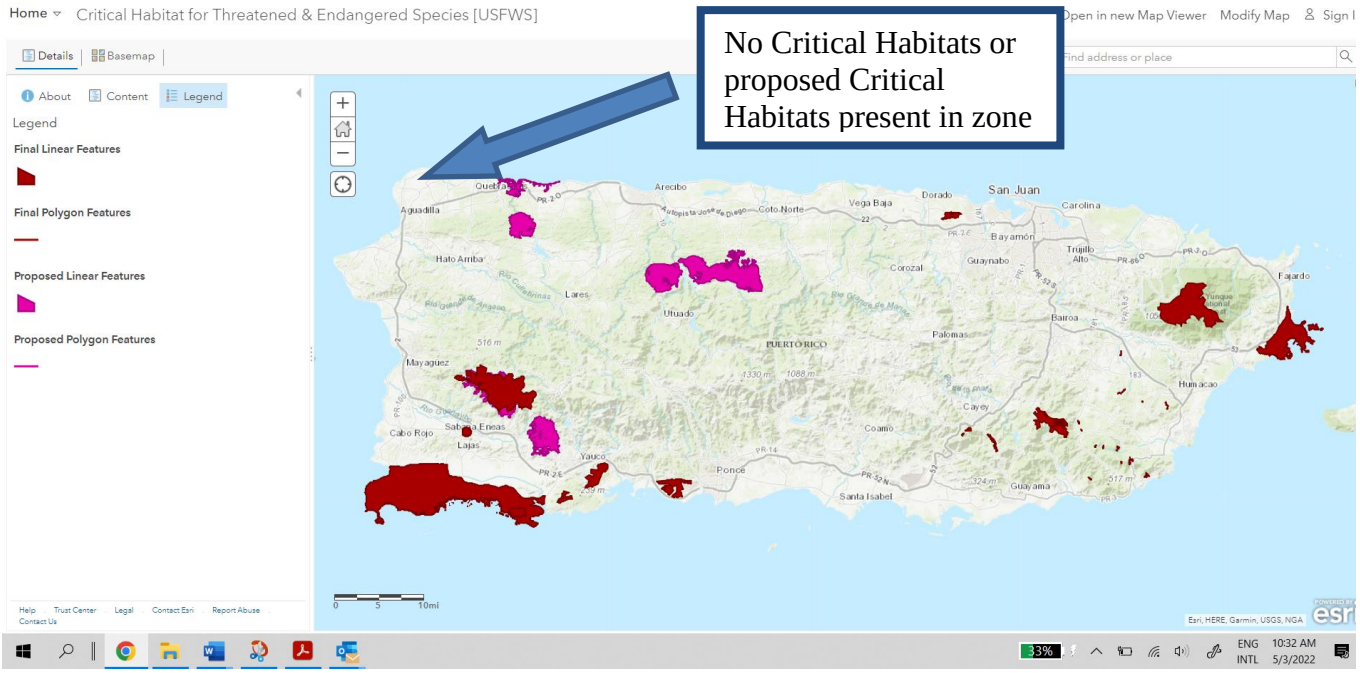
Fish and Wildlife Critical Habitat for Threatened & Endangered Species [USFWS] Online Mapper: https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77

NOAA Fisheries Consultations: Puerto Rico (Last updated by Southeast Regional Office on November 17, 2021), https://www.fisheries.noaa.gov/southeast/consultations/puerto-rico

Departamento de Desarrollo Económico y Comercio; Oficina de Gerencia de Permisos Recomendación Ambiental; Dated 03/SEP/2019; Case no. 2019-274204-REA-003327 for "The Cliff Villas & Country Club".

Agr. Gamaliel Rivera Rivera, Categorización de Hábitat The Cliff Villas & Conutry Club, October 7, 2019.

According to Fish and Wildlife Online Mapper, there are no Critical Habitats identified for this area:


Home
Critical Habitat for Threatened & Endangered Species [USFWS]
Open in new Map Viewer
Modify Map
Sign I
Details
Basemap
About
Content
Legend
Legend
Final Linear Features
Final Polygon Features
Proposed Linear Features
Proposed Polygon Features
No Critical Habitats or proposed Critical Habitats present in zone
PUERTO RICO
San Juan
Aguadilla
Arecibo
Vega Baja
Dorado
Carolina
Bayamón
Guaynabo
Trujillo Alto
Fajardo
Hato Arriba
Lares
Utuado
Corozal
Barceloneta
Palomas
Mayaguez
Cabo Rojo
Lajas
Yauco
Ponce
Coamo
Cayey
Guayama
Santa Isabel
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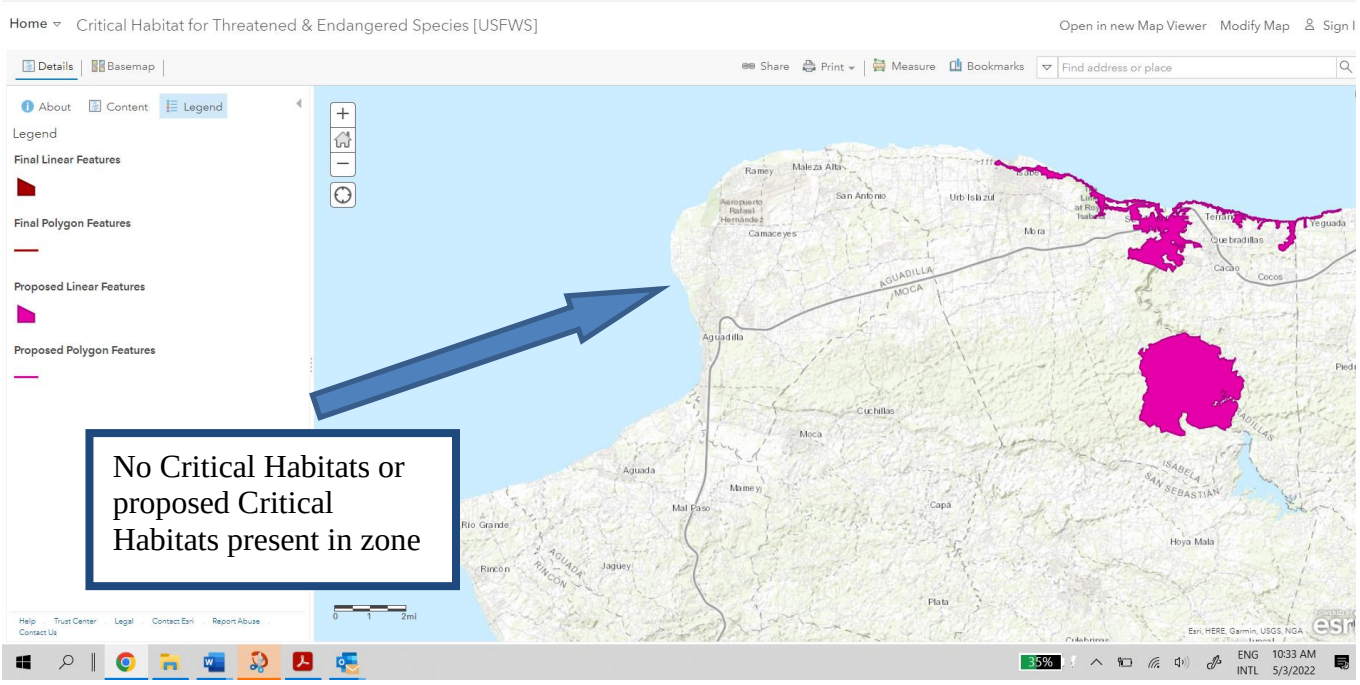
Home
Critical Habitat for Threatened & Endangered Species [USFWS]
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Modify Map
Sign I
Details
Basemap
Share
Print
Measure
Bookmarks
About
Content
Legend
Legend
Final Linear Features
Final Polygon Features
Proposed Linear Features
Proposed Polygon Features
No Critical Habitats or proposed Critical Habitats present in zone
Ramey
Maleza Alta
San Antonio
Aeropuerto Rafael Hernández
Camaceyes
Urb Isla Zul
Mora
Terrenos
Yeguada
Quebradillas
Cacao
Cocos
AGUADILLA
MOCA
Aguadilla
Cuchillas
Moca
Aguada
Mamey
Mal Paso
Rio Grande
Rincón
Jagüey
Capa
Hoya Mala
Plata
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The following is a list of ESA listed species from the Fish and Wildlife Service:

SCIENTIFIC NAME	COMMON NAME	COMMON NAME SPANISH	GROUP	STATUS	DISTRIBUTION
Chelonia mydas	Green Sea Turtle	Peje Blanco	Reptile	T, CH	Coastal Zones
Columba (Patagioenas) inornata wetmorei	Puerto Rican Plain Pigeon	Paloma Sabanera	Bird	E	Lower Montane Forest and Riparian Habitats
Dermochelys coriacea	Leatherback Sea Turtle	Tinglar	Reptile	E, CH	Coastal Zones
Epicrates inornatus	Puerto Rican Boa	Boa Puertorriqueña	Reptile	E	Forested Volcanic and Limestone (Karst) Hills
Eretmochelys imbricata	Hawksbill Sea Turtle	Carey	Reptile	E, CH	Coastal Zones
Pelecanus occidentalis	Brown Pelican	Pelicano Pardo	Bird	D, MP	Coastal Zones, Nesting
Trichechus manatus manatus	Antillean Manatee	Manati Antillano	Mammal	T	Coastal Zones

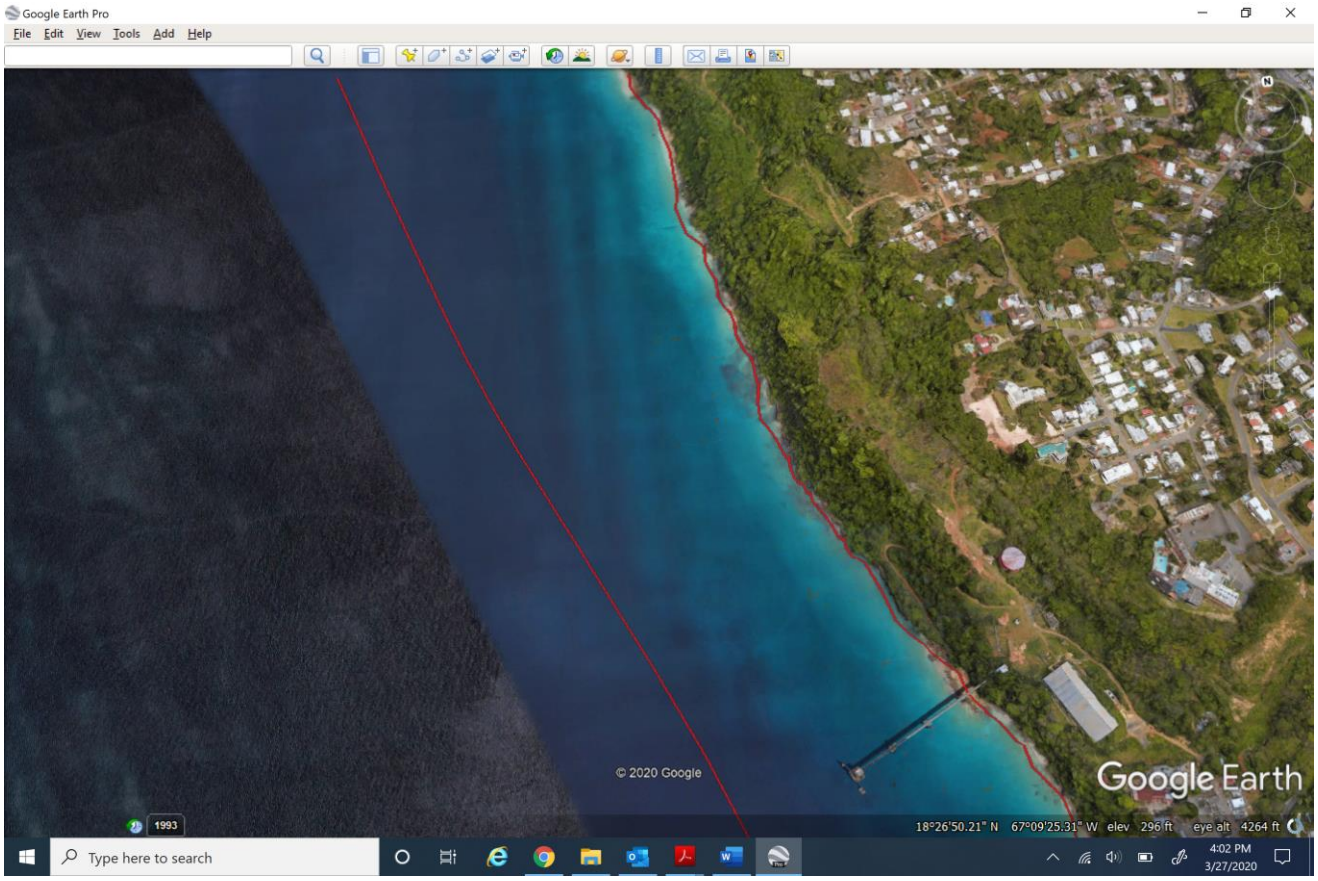
The following is a NOAA Fisheries compilation of threatened and endangered species that could be present in Puerto Rico:

Species	Listing Status	Recovery Plan	Critical Habitat
Green sea turtle	Threatened - North and South Atlantic Distinct Population Segment (81 FR 20057; April 6, 2016)	October 1991	63 FR 46693; September 2, 1998
Leatherback sea turtle	Endangered (35 FR 8491; June 2, 1970)	April 1992	44 FR 17710; March 23, 1979
Loggerhead sea turtle	Threatened - Northwest Atlantic Ocean Distinct Population Segment (76 FR 58868; September 22, 2011)	December 2008	79 FR 39856; July 10, 2014
Hawksbill sea turtle	Endangered (35 FR 8491; June 2, 1970)	December 1993	63 FR 46693; September 2, 1998
Nassau grouper	Threatened (81 FR 42268; June 29, 2016)	2018 Recovery Outline	None
Oceanic whitetip shark	Threatened (83 FR 4153; January 30, 2018)	2018 Recovery Outline	None
Scalloped hammerhead shark	Central and Southwest Atlantic Distinct Population Segment - Threatened (79 FR 38213; July 3, 2014)	None	None
Giant manta ray	Threatened (83 FR 2916; January 22, 2018)	December 2019 Recovery Outline	None
Elkhorn coral	Threatened (71 FR 26852; May 9, 2006)	March 2015	73 FR 72210; November 26, 2008

Staghorn coral	Threatened (71 FR 26852; May 9, 2006)	March 2015	73 FR 72210; November 26, 2008
Boulder star coral	Threatened (79 FR 53851; September 10, 2014)	None	None
Mountainous star coral	Threatened (79 FR 53851; September 10, 2014)	None	None
Lobed star coral	Threatened (79 FR 53851; September 10, 2014)	None	None
Rough cactus coral	Threatened (79 FR 53851; September 10, 2014)	None	None
Pillar coral	Threatened (79 FR 53851; September 10, 2014)	None	None
Sperm whale	Endangered (35 FR 18319; December 2, 1970)	December 2010	None

According to IPaC resource list, the endangered species in the action area are the Puerto Rican Boa (reptile) and the Palo de Rosa (flowering plant). No such species were seen in an on-site inspection by agronomist Gamaliel Rivera Rivera during the *Categorización de Habitat* performed on October 7, 2019. A copy of the *Categorización de Hábitat* is attached in the Appendix. In this report, it was found that the action area has been impacted over the course of the last century making it less likely for these species to have developed natively. The Palo de Rosa was not observed during the flora inventory. However, there is still a chance of finding the Puerto Rican Boa, for which a protocol is in place where if an individual is spotted, employees are instructed to notify the DRNA.

According to NOAA, "Elkhorn and Staghorn Corals: All waters in the depths of 98 ft (30 m) and shallower to the mean low water line in Puerto Rico and associated Islands. Within these specific areas, the essential feature consists of natural consolidated hard substrate or dead coral skeleton that are free from fleshy or turf macroalgae cover and sediment cover."
https://www.saj.usace.army.mil/Portals/44/docs/regulatory/sourcebook/endangered_species/NMFS-PuertoRico.pdf



✓ Distance between site and ESA-listed Species/Critical Habitat:

No Critical Habitats exist in the area. Distance from the species is estimated at 0 miles, particularly with the Puerto Rican Boa which is believed to be present in 76 of the 78 municipalities of Puerto Rico, as per the Puerto Rican Boa Recovery Plan findings: (https://ecos.fws.gov/docs/recovery_plan/Puerto%20Rican%20Boa%20Recovery%20Plan%20Amendment_1.pdf)

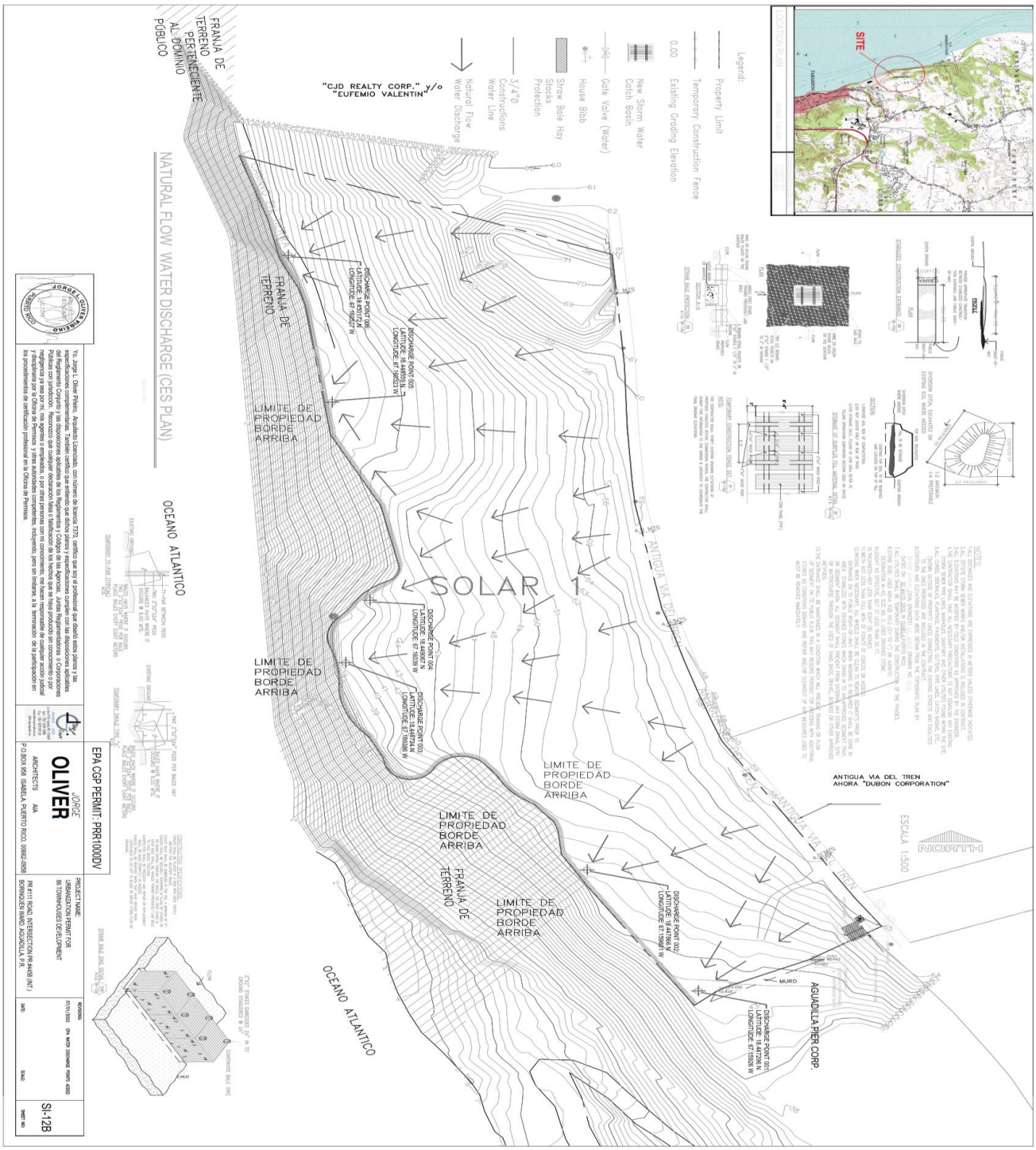
ESA-listed Species which fall under NOAA Fisheries Jurisdiction (https://www.fisheries.noaa.gov/southeast/consultations/puerto-rico) do not have Critical Habitats in the zone of proposed construction but are present in the US waters near the construction, in excess of 50 feet from the construction site.

✓ How adverse effects will be avoided:

Any potential adverse effects will be avoided through the implementation of stormwater runoff mitigation equipment, such as silt fences, curlex logs, hay bales, in addition to eventual ground stabilization with natural grass sod. Monitoring of stormwater mitigation barriers will be in effect after heavy rains to ensure compliance and proper functioning.

Measures have been taken to explain to staff the possibility of the presence of species, including alerting the state natural resources agency (DRNA) in case a Puerto Rican Boa or other protected species is found on the site. They've also been instructed to look out for snake skins in the vicinity. The construction crew has been made aware of the possibility of protected species in the water. To that effect, measures have been taken to minimize any potential impact on the species, including the installation of additional BMPs to filter stormwaters from the site that may flow towards Aguadilla Bay.

Below is the Erosion and Sediment Control plan (*Plan CES*) with the specific BMPs that will be implemented in the site. A larger copy can be found in the Appendix.



3.2 Historic Preservation

Appendix E, Step 1

Do you plan on installing any of the following stormwater controls at your site? Check all that apply below, and proceed to Appendix E, Step 2.

- ☐ Dike
- ☒ Berm
- ☐ Catch Basin
- ☐ Pond
- ☒ Stormwater Conveyance Channel (e.g., ditch, trench, perimeter drain, swale, etc.)
- ☒ Culvert
- ☐ Other type of ground-disturbing stormwater control: N/A

Appendix E, Step 2

If you answered yes in Step 1, have prior surveys or evaluations conducted on the site already determined that historic properties do not exist, or that prior disturbances at the site have precluded the existence of historic properties? ☒ YES ☐ NO

Similarly, if prior earth disturbances have eliminated the possibility that historic properties exist on your site, you may indicate this on your NOI, and no further screening steps are necessary. (2017 Construction General Permit, Appendix E, page E-2)

- If yes, no further documentation is required for Section 3.2 of the Template.
- If no, proceed to Appendix E, Step 3.

3.3 Safe Drinking Water Act Underground Injection Control Requirements

Do you plan to install any of the following controls? Check all that apply below.

- ☐ **Infiltration trenches** (if stormwater is directed to any bored, drilled, driven shaft or dug hole that is deeper than its widest surface dimension, or has a subsurface fluid distribution system)
- ☐ Commercially manufactured pre-cast or pre-built proprietary subsurface detention vaults, chambers, or other devices designed to capture and infiltrate stormwater flow
- ☐ Drywells, seepage pits, or improved sinkholes (if stormwater is directed to any bored, drilled, driven shaft or dug hole that is deeper than its widest surface dimension, or has a subsurface fluid distribution system)

IF YES, INSERT COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND THE STATE AGENCY OR EPA REGIONAL OFFICE

SECTION 4: EROSION AND SEDIMENT CONTROLS

4.1 Natural Buffers or Equivalent Sediment Controls

Buffer Compliance Alternatives

Are there any waters of the U.S. within 50 feet of your project's earth disturbances? ☐ YES ☒ NO

4.2 Perimeter Controls

General

- Compliance will be attained by using silt fences and Curlex Sediment Logs. These are inspected periodically and repaired or replaced as needed

Specific Perimeter Controls

Silt Fences	
Description: Silt fences located along the western slope of the site to prevent stormwaters from falling into the bay	
Installation	2/22/2022
Maintenance Requirements	Fences are inspected for rips or tears. All trapped sediment is removed before it has accumulated to one-half of the above-ground height of perimeter control.
Design Specifications	

	Channel Design			Slope Design	
Product Name/ Nominal Diameter	Density* (lb/ft3)	GPM/ft2**	GPM/linear ft of installed product	P Factor*** (event-based)	% Soil Retained
6" Curlex Sediment Log	2.4	42.5	19.5	0.461	53.9
9" Straw Wattle	4.5	7.5	5.6	0.676	32.4
9" Curlex Sediment Log	2.3	42.5	29.0	0.461	53.9
12" Straw Wattle	3.8	8.0	8.0	0.828	17.2
12" Curlex Sediment Log	2.5	40.0	36.7	0.297	70.3
20" Curlex Sediment Log	1.4	37.5	46.9	0.297	70.3

*Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior, AEC Premier Straw, and AEC Premier Coconut fibers are 22%, 15%, and 20%, respectively.

**Based on ASTM D5141.

***Based on large-scale simulated rainfall testing.

Curlex Sediment Log	
Description: Curlex sediment logs located along the western slope of the site, against the silt fences, in order to prevent stormwater from falling into the bay	
Installation	2/22/2022
Maintenance Requirements	Logs or rolls are inspected for rips or tears as well as saturation. When the material becomes saturated, the roll is replaced and staked to the ground. Trapped sediment is removed before it has accumulated to one-half of the above-ground height of perimeter control.

Design Specifications	**Silt Fence Specification Sheet** **DOT Grade Model (100 gram)** The Silt Fence is a reliable silt and sediment control barrier commonly used around construction sites to contain materials. Below you will find specifications for the DOT grade silt fence model. Fencing is sold in fabric only models or in rolls with pre-attached stakes. Economy grade and Contractor grade models also available. 

Property	Test Method	Value
Style		100 gsm
Weave		11 x 11 weave
Grab Tensile	ASTM D 4632	135x125
Grab Elongation	ASTM D 4632	15%
Mullen Burst	ASTM D 3786	200 psi
Puncture	ASTM D 4833	(CBR) 325 lbs.
Trapezoid Tear	ASTM D 4533	60 lbs.
AOS	ASTM D 4751	30 sieve
Flow Rate	ASTM D 4491	10 gal/min/ft
Permittivity	ASTM D 4491	0.1 sec
UV Resistance	ASTM D 4355	80% @ 500 hrs.
Roll Width		36" or 42"

4.3 Sediment Track-Out

General

- Site exit has been paved to reduce sediment track-out. Truck tires are hosed down before exiting the facility. Any tracked-out sediment is swept away to prevent contamination of storm drain inlets.

Specific Track-Out Controls

Paved exit road and tire hose-off	
Description: The entrance/exit to the site has been paved in cement in order to allow any sediment to fall off or be washed from vehicles and trucks exiting the facility.	
Installation	5/22/2022
Maintenance Requirements	The road is swept periodically to remove excess sediment and to facilitate the removal of sediment from vehicle and truck tires. Where sediment has been tracked-out from the site onto State Road 4458, construction personnel sweep the deposited sediment by the end of the same business day in which the track-out occurs. Vehicle tires are hosed down to remove sediment from tires from exiting the construction site.
Design Specifications	

4.4 Stockpiled Sediment or Soil

General

- Stockpiled sediment and soil will be reused in the site for land filling or grading activities. Curlex Sediment logs and silt fences will be placed along perimeter to avoid stormwater runoff from carrying sediment and other contaminants toward the Aguadilla Bay. Vegetation will stabilize the top of the stockpiled sediment to provide additional sediment runoff protection.

Specific Stockpile Controls

<table>
<tr><th colspan="2">Curlex Sediement Log and silt fences</th></tr>
<tr><td colspan="2">Description: Fiber rolls and silt fences are placed along the perimeter of any stockpiled sediment.</td></tr>
<tr><td>Installation</td><td>When necessary</td></tr>
<tr><td>Maintenance Requirements</td><td>Stockpiled sediment is surrounded with woodchip fiber rolls and silt fences until it is properly removed from the facility and/or reused. Stockpiled sediment is never hosed down or swept into stormwater conveyance or storm drain inlets.</td></tr>
<tr><td>Design Specifications</td><td>
Silt Fence Specification Sheet
DOT Grade Model (100 gram)
The Silt Fence is a reliable silt and sediment control barrier commonly used around construction sites to contain materials. Below you will find specifications for the DOT grade silt fence model. Fencing is sold in fabric only models or in rolls with pre-attached stakes. Economy grade and Contractor grade models also available.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<tr><td>Style</td><td></td><td>100 gsm</td></tr>
<tr><td>Weave</td><td></td><td>11 x 11 weave</td></tr>
<tr><td>Grab Tensile</td><td>ASTM D 4632</td><td>135x125</td></tr>
<tr><td>Grab Elongation</td><td>ASTM D 4632</td><td>15%</td></tr>
<tr><td>Mullen Burst</td><td>ASTM D 3786</td><td>200 psi</td></tr>
<tr><td>Puncture</td><td>ASTM D 4833</td><td>(CBR) 325 lbs.</td></tr>
<tr><td>Trapezoid Tear</td><td>ASTM D 4533</td><td>60 lbs.</td></tr>
<tr><td>AOS</td><td>ASTM D 4751</td><td>30 sieve</td></tr>
<tr><td>Flow Rate</td><td>ASTM D 4491</td><td>10 gal/min/ft</td></tr>
<tr><td>Permittivity</td><td>ASTM D 4491</td><td>0.1 sec</td></tr>
<tr><td>UV Resistance</td><td>ASTM D 4355</td><td>80% @ 500 hrs.</td></tr>
<tr><td>Roll Width</td><td></td><td>36" or 42"</td></tr>
</table>
<table>
<tr><th></th><th colspan="3">Channel Design</th><th colspan="2">Slope Design</th></tr>
<tr><th>Product Name/ Nominal Diameter</th><th>Density* (lb/ft3)</th><th>GPM/ft2**</th><th>GPM/linear ft of installed product</th><th>P Factor*** (event-based)</th><th>% Soil Retained</th></tr>
<tr><td>6" Curlex Sediment Log</td><td>2.4</td><td>42.5</td><td>19.5</td><td>0.461</td><td>53.9</td></tr>
<tr><td>9" Straw Wattle</td><td>4.5</td><td>7.5</td><td>5.6</td><td>0.676</td><td>32.4</td></tr>
<tr><td>9" Curlex Sediment Log</td><td>2.3</td><td>42.5</td><td>29.0</td><td>0.461</td><td>53.9</td></tr>
<tr><td>12" Straw Wattle</td><td>3.8</td><td>8.0</td><td>8.0</td><td>0.828</td><td>17.2</td></tr>
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</table>
*Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior, AEC Premier Straw, and AEC Premier Coconut fibers are 22%, 15%, and 20%, respectively.
**Based on ASTM D5141.
***Based on large-scale simulated rainfall testing.
</td></tr>
</table>

[Repeat as needed for individual stockpile controls.]

4.5 Minimize Dust

General

- Paved entrance to avoid entry or exit of dust and sediment from the construction site. Tires are hosed down and any tracked sediment is swept and cleaned to prevent dust contamination to neighboring structures.

Specific Dust Controls

Site entrance/exit road stabilization	
Description: The existing paved entrance/exit will be used as cleaning area to reduce generation of dust. Vehicle and truck tires will be hosed, as well as excess sediment left of the road	
Installation	As needed
Maintenance Requirements	The road is clean periodically to remove excess sediment and to facilitate the removal of sediment from vehicle and truck tires. Where sediment has been tracked-out from the site onto State Road 4458, construction personnel will remove the deposited sediment by the end of the same business day in which the track-out occurs. Vehicle tires are hosed down to remove sediment from tires from exiting the construction site.
Design Specifications	N/A

4.6 Minimize Steep Slope Disturbances

General

- Slopes have plant growth which help stabilize terrain and prevent erosion. Water channels along the road will help direct stormwater towards silt screens and Curlex Sediement Log

Specific Steep Slope Controls

Water channels along roads	
Description: Water channels will help direct stormwater towards silt screens and curlex logs	
Installation	5/24/2022
Maintenance Requirements	Curlex Sediment Logs will be used to prevent water from flowing unimpeded down steep slopes until water channels are constructed along the roads during the urbanization phase.
Design Specifications	

4.7 Topsoil

General

- Current topsoil in the site will be preserved where possible. Some areas require clearing of topsoil to make terrain stable. Soil is mostly carstic consisting of quartz.

Specific Topsoil Controls

Stockpiling	
Description: Topsoil will be stockpiled to be reused later through the site.	
Installation	When necessary
Maintenance Requirements	Topsoil will be stockpiled and protected using BMP's stated above.
Design Specifications	N/A

4.8 Soil Compaction

General

- Vehicle movement is restricted to areas where current or proposed road will be constructed. Most of the surface being disturbed will be paved surfaces or buildings for which this requirement does not apply. Other soils will remain undisturbed except when necessary for the purpose of the construction.

Specific Soil Compaction Controls

Soil decompaction and rehabilitation	
Description: Disturbed soil will be decompacted before planting of vegetation	
Installation	When necessary
Maintenance Requirements	Disturbed soil will be stockpiled and eventually reused. Soil may require rehabilitation. Most of the surface being disturbed will be paved surfaces or buildings for which this requirement does not apply.
Design Specifications	INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

4.9 Storm Drain Inlets

General

- These connections will be protected with Curlex Sediment Logs in order to avoid sediment

Specific Storm Drain Inlet Controls

Curlex Sediement Log	
Description: Woodchip or hay bags	
Installation	2/22/2022
Maintenance Requirements	Clean, or remove and replace the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove the deposited sediment by the end of the same business day in which it is found or by the end of the following business day if removal by the same business day is not feasible.
Design Specifications	

4.10 Stormwater Conveyance Channels

General

- Stormwater conveyance channel will be constructed along the paved roads to channel stormwater towards areas of stabilization

Specific Conveyance Channel Controls

Stormwater Channel	
Description: Channel which will run alongside the roads to be constructed in order to direct water flows towards areas where the sediment may be filtered	
Installation	10/1/2022
Maintenance Requirements	Channels will be inspected and cleaned to ensure proper flow and clearance of any accumulated sediments. Waters will be directed away from roads and buildings towards areas where sediments can settle and waters are reabsorbed.
Design Specifications	

4.11 Sediment Basins

General

- Stormwater sediment basin channel will be constructed to channel stormwater towards installed BMPs.

Specific Conveyance Channel Controls

Sediment Basin	
Description: Sediment basin for channeling water and allowing for sediment settling prior to continuing its natural flow towards existing discharge point. In addition to settling sediment, excess water will be filtered using Curlex Sediment Logs.	
Installation	12/2/2022
Maintenance Requirements	Basin will be inspected and cleaned bi-weekly, and within 24 hours of heavy rains, to ensure proper flow and clearance of accumulated sediments.
Design Specifications	INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

4.12 Chemical Treatment

Chemical Treatment will not be used on the site

4.13 Dewatering Practices

General

- Dewatering is unlikely since there are not natural water springs in the site. Potential dewatering could occur if there is a broken water pipe, in which case water will be moved toward vegetated upland areas to infiltrate dewatering water into the ground. Filtration will be used when necessary such as hay bales or curlex logs.

Specific Dewatering Practices

Vegetated upland dewatering	
Description: Dewatering, while not expected,will be pumped upland toward vegetated areas to allow infiltration into ground.	
Installation	When necessary
Maintenance Requirements	Dewatering water will be pumped upland to vegetated areas where the water can be infiltrated and sediment removed.
Design Specifications	

	Channel Design			Slope Design	
Product Name/ Nominal Diameter	Density* (lb/ft3)	GPM/ft2**	GPM/linear ft of installed product	P Factor*** (event-based)	% Soil Retained
6" Curlex Sediment Log	2.4	42.5	19.5	0.461	53.9
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*Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of Great Lakes Aspen excelsior, AEC Premier Straw, and AEC Premier Coconut fibers are 22%, 15%, and 20%, respectively.

**Based on ASTM D5141.

***Based on large-scale simulated rainfall testing.

[Repeat as needed for individual dewatering practices.]

4.14 Other Stormwater Controls

General

- n/a

4.15 Site Stabilization

Total Amount of Land Disturbance Occurring at Any One Time

☐ *Five Acres or less*

☒ *More than Five Acres*

Use this template box if you are <u>not</u> located in an arid, semi-arid, or drought-stricken area

INSERT NAME OF SITE STABILIZATION PRACTICE
☒ *Vegetative* ☐ *Non-Vegetative* ☐ *Temporary* ☐ *Permanent*
Description: ▪ Vegetation, either native or ornamental, will be used to stabilize site

▪ For final stabilization, uniform, perennial vegetation will be used providing 70% or more of the cover provided by native vegetation	
Installation	2/2/2023
Completion	1/4/2025
Maintenance Requirements	INSERT MAINTENANCE REQUIREMENTS FOR THE STABILIZATION PRACTICE
Design Specifications	INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Use this template box if unforeseen circumstances have delayed the initiation and/or completion of vegetative stabilization. Note: You will not be able to include this information in your initial SWPPP. If you are affected by circumstances such as those described in CGP Part 2.2.14.a.iii, you will need to modify your SWPPP to include this information.

INSERT NAME OF SITE STABILIZATION PRACTICE	
☐ *Vegetative* ☒ *Temporary* ☐ *Permanent*	
Description:	
Justification	
Installation and completion schedule	**Vegetative Measures:** Approximate installation date: Approximate completion date:
	Non-Vegetative Measures: *(must be completed within 14 days of the cessation of construction if distuGrupo Caribe, LLCng 5 acres or less; within 7 days if distuGrupo Caribe, LLCng more than 5 acres)* Approximate installation date: Approximate completion date:
Maintenance Requirements	

Design Specifications	

Temporarily Removed BMPs

BMPs sometimes need to be temporarily removed to conduct work in an area of the site. These temporarily removed BMPs should be noted on the site plan and replaced as soon as possible after the completion of the activity requiring their removal. If a rain is forecast, the BMPs should be replaced as soon as possible before the rain event.

SECTION 5: POLLUTION PREVENTION STANDARDS

5.1 Potential Sources of Pollution

Construction Site Pollutants

Pollutant-Generating Activity	**Pollutants or Pollutant Constituents** (that could be discharged if exposed to stormwater)	**Location on Site** (or reference SWPPP site map where this is shown)
Construction (Grading and site excavation operations)	Plaster (Calcium sulphate, calcium carbonate, sulfuric acid); Concrete (Limestone, sand, pH, chromium); Sediment	Throughout site
Maintenance and refueling of vehicles	Hydraulic oil/fluids (Mineral oil); Diesel (Petroleum distillate, oil & grease, naphthalene, xylenes)	Northeast washing area near entrance
Road asphalting	Asphalts (Oil, petroleum distillates); Sediment	Throughout site
Utilities installation (electrical and water)	Metal shavings (copper, aluminum, tin), plastic cuttings; Sediment	Throughout site
Material delivery and storage	Nutrients,Heavy metals pH (acids & bases) Pesticides & herbicides Oil & grease Trash, debris, solids Other toxic chemicals	Throughout site
Material use during building process	Nutrients,Heavy metals pH (acids & bases) Pesticides & herbicides Oil & grease Trash, debris, solids Other toxic chemicals	Throughout site
Solid waste (trash and debris)	Trash, debris, solids	Throughout site

5.2 Spill Prevention and Response

Procedures: Any spills will be stopped and contained expeditiously. Employees have been informed or trained in containment and cleaning of releases including use of absorbent pads and/or media.

Notifications: Any minor spills are cleaned and informed to Manager for appropriate action. Major spills are immediately notified to Manager while employees contain spill. Manager, or in the alternative the spill prevention employee will notify proper agencies when necessary, including Municipal Police and Fire Department if potential for ignition, local Environmental Quality Board office and EPA. Contact information for agencies:

- Policía Municipal de Aguadilla……787-891-3000
- Bomberos Zona de Aguadilla……787-891-2330
- Junta de Calidad Ambiental Mayagüez (Aguadilla)……787-833-1188 / 787-833-1115
- U.S. Environmental Protection Agency (Region 2)……..877-251-4575

5.3 Fueling and Maintenance of Equipment or Vehicles

General

- Vehicles are fueled offsite generally. Equipment fueled in-site is done so near vehicle wash area at the access road within Aguadilla Pier project. Staff is directed to use proper equipment and procedures to avoid spills. Minor maintenance occurs in site in or near wash area, northeast of site by the gate. Absorbent pads are placed wherever oils or leaks are being attended.

Specific Pollution Prevention Practices

Absorbent Pads	
Description: Absorbent pads are placed wherever oils or leaks are being attended	
Installation	Placed prior to refuelling or repairing vehicles. Pads are kept in the offices
Maintenance Requirements	Replaced if unusable or saturated and disposed of when necessary.

5.4 Washing of Equipment and Vehicles

General

- Vehicles and equipment washing occurs in site in wash area, northeast of site by the gate near entrance at the access road of the Aguadilla Pier project. This location allows sediment to infiltrate the gravel and avoid being carried away by stormwaters. The entrance is over 500 feet from the water and does not directly drain into stormwater drains.

Specific Pollution Prevention Practices

Wash area	
Description: Wash area on northeast of site, near entrance and far from Aguadilla Bay.	
Installation	Existing prior to construction activities
Maintenance Requirements	Sediment is removed from vehicles entering or exiting. Inspection for waterlogging and appropriate action if necessary. Water drains into gravel road to avoid being carried away by stormwaters.

Design Specifications	

5.5 Storage, Handling, and Disposal of Building Products, Materials, and Wastes

5.5.1 Building Products

(Note: Examples include asphalt sealants, copper flashing, roofing materials, adhesives, concrete admixtures, and gravel and mulch stockpiles.)

General

- Materials are stored in the existing warehouse on northeast of site which is completely covered from rain and wind. Additional roofed structures may be added to store additional materials and equipment

Specific Pollution Prevention Practices

Storage in warehouse	
Description: Materials are stored in warehouse	
Installation	Existing warehouse prior to construction
Maintenance Requirements	Area is cleared of debris to avoid stormwater flooding from carrying sediment out of warehouse
Design Specifications	n/a

5.5.2 Pesticides, HeGrupo Caribe, LLCcides, Insecticides, Fertilizers, and Landscape Materials

General

- Landscape materials are stored inside the existing warehouse, which is completely covered from rain and wind.

Specific Pollution Prevention Practices

Warehouse storage	
Description: Materials are stored in warehouse	
Installation	Existing warehouse prior to construction
Maintenance Requirements	Area is cleared of debris to avoid stormwater flooding from carrying sediment out of warehouse
Design Specifications	n/a

5.5.3 Diesel Fuel, Oil, Hydraulic Fluids, Other Petroleum Products, and Other Chemicals

General

- Any chemicals are stored inside the existing warehouse, which is completely covered from rain and wind.

Specific Pollution Prevention Practices

Warehouse storage	
Description: Materials are stored in warehouse	
Installation	Existing warehouse prior to construction

Maintenance Requirements	Area is cleared of debris to avoid stormwater flooding from carrying sediment out of warehouse
Design Specifications	n/a

Absorbent pads	
Description: Absorbent pads are placed wherever oils or leaks are being attended	
Installation	When necessary
Maintenance requirements	Inspected for wear and tear, replaced if unusable or unsafe. Cleaned and disposed of when necessary

5.5.4 Hazardous or Toxic Waste

(Note: Examples include paints, solvents, petroleum-based products, wood preservatives, additives, curing compounds, acids.)

General

- Any chemicals are stored inside the existing warehouse, which is completely covered from rain and wind.

Specific Pollution Prevention Practices

Warehouse storage	
Description: Materials are stored in warehouse	
Installation	Existing warehouse prior to construction
Maintenance Requirements	Area is cleared of debris to avoid stormwater flooding from carrying sediment out of warehouse
Design Specifications	n/a

Absorbent pads	
Description: Absorbent pads are placed wherever oils or leaks are being attended	
Installation	When necessary
Maintenance requirements	Inspected for wear and tear, replaced if unusable or unsafe. Cleaned and disposed of when necessary

5.5.5 Construction and Domestic Waste

General

- Construction and domestic waste is picked up and deposited in waste appropriate waste containers.

Specific Pollution Prevention Practices

Waste containers	
Description: Waste containers with lids or stored in warehouse	
Installation	02/22/2022
Maintenance Requirements	8 yard waste container located in front of the offices. Container has lids and is emptied periodically by waste collection provider.
Design Specifications	n/a

5.5.6 Sanitary Waste

General

- Property on site has sanitary facilities connected to septic tank. Contents are emptied by a waste disposal company.

5.6 Washing of Applicators and Containers used for Paint, Concrete or Other Materials

General

- Paint applicators and containers are generally not washed but covered in plastics to avoid paint drying when they are to be reused. If finished, or if paint has dried, brushes and containers are disposed. Washout of concrete equipment to occur in wash area on northeast of site near entrance. Containers used to catch washout effluents to be disposed of properly.

Specific Pollution Prevention Practices

Washout area	
Description: washout sediments such as plaster, concrete is collected in bins, left to dry and then collected to be disposed once dried and hardened.	
Installation	When necessary
Maintenance Requirements	Direct wash water into a leak-proof container or leak-proof and lined pit designed so no overflows can occur due to inadequate sizing or precipitation; Handle washout or cleanout wastes as follows: (i)For liquid wastes: (a) Do not dump liquid wastes or allow them to enter i to constructed or natural site drainage features, storm sewers inlets, or receiving waters of the U.S; (b) Do not allow liquid wastes to be disposed of through infiltration or to otherwise be disposed of on the ground; (c) Comply with applicable State, Tribal, or local requirements for disposal (ii)Dispose of liquid wastes in accordance with applicable requirements in Part 2.3.3; and Remove and dispose of hardened concrete waste consistent with your handling of other construction wastes in Part 2.3.3e
Design Specifications	

[Repeat as needed.]

5.7 Fertilizers

General

- N/A, will not be used on the site.

5.8 Other Pollution Prevention Practices

General

- N/A

SECTION 6: INSPECTION, MAINTENANCE, AND CORRECTIVE ACTION

6.1 Inspection Personnel and Procedures

Inspection Schedule

Select the inspection frequency(ies) that applies, based on CGP Parts 4.2, 4.3, or 4.4

(Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply)

Standard Frequency:
☒ Every 7 calendar days ☐ Every 14 calendar days and within 24 hours of either: ▪ A storm event that produces 0.25 inches or more of rain within a 24-hour period (including when there are multiple, smaller storms that alone produce less than 0.25 inches but together produce 0.25 inches or more in 24 hours), or ▪ A storm event that produces 0.25 inches or more of rain within a 24-hour period on the first day of a storm and continues to produce 0.25 inches or more of rain on subsequent days (you conduct an inspection within 24 hours of the first day of the storm and within 24 hours after the last day of the storm that produces 0.25 inches or more of rain (i.e., only two inspections would be required for such a storm event)), or ▪ A discharge caused by snowmelt from a storm event that produces 3.25 inches or more of snow within a 24-hour period.
Reduced Frequency (if applicable)
For stabilized areas ☒ Twice during first month, no more than 14 calendar days apart; then once per month after first month until permit coverage is terminated consistent with Part 9 in any area of your site where the stabilization steps in 2.2.14.a have been completed. (Note: It is likely that you will not be able to include this in your initial SWPPP. If you qualify for this reduction (see CGP Part 4.4.1), you will need to modify your SWPPP to include this information. If construction activity resumes in this portion of the site at a later date, the inspection frequency immediately increases to that required in Parts 4.2 and 4.3, as applicable.)

Inspection Report Forms

SEE APPENDIX D

Dewatering Inspection Schedule

Select the inspection frequency that applies based on CGP Part 4.3.2

Dewatering Inspection
☒ Once per day on which the discharge of dewatering water occurs.

Rain Gauge Location (if applicable)
Rain gauge is located near the office structure located at the side of the road. Rain gauge is photographed whenever a rain even occurs and data is logged daily.

6.2 Corrective Action

Personnel Responsible for Corrective Actions
Ing. Daniel Jones
Michael Pérez

Corrective Action Forms
See appendix E

6.3 Delegation of Authority

SECTION 7: BENCHMARK MONITORING FOR DEWATERING DISCHARGES

Currently no dewatering is taking place as there are no aquifers or underground streams of water. Thus, this procedure is not projected but the procedure that would apply is discussed below:

Procedures:

<table>
<tr><td>Collecting and evaluating samples</td><td>Turbidity monitoring requirements
Sampling frequency. Manager will collect at least one turbidity sample froyour dewatering discharge each day a discharge occurs.

Sampling location. Samples must be taken at all points where dewateringwater is discharged. Samples must be taken after the dewatering water hbeen treated by installed treatment devices such as filter bags, curlex logsilt fences, etc. .

Representative samples. Samples taken must be representative of the dewatering discharge for any given day.

Test methods. Samples must be measured using a turbidity meter that reports results in nephelometric turbidity units (NTUs) and conforms with a Part 136-approved method (e.g., methods 180.1 and 2130). calibration verification must be conducted prior to each day's use, consistent with thmanufacturer's instructions.

Comparison of turbidity samples to benchmark. Compare the weekly average of your turbidity monitoring results to the standard 50 NTU benchmark, or alternate benchmark if approved by EPA. If the weekly average of your turbidity monitoring results exceeds the standard benchmark (or your approved alternate benchmark), corrective action must be performed and documented

If you are conducting turbidity monitoring for more than one dewatering discharge point, you must calculate a weekly average turbidity value for each discharge point and compare each to the turbidity benchmark.</td></tr>
<tr><td>Reporting results and keeping monitoring information records</td><td>Manger, or somebody designated by them, must submit reports of weekly average turbidity data to EPA no later than 30 days following the end of each monitoring quarter. If there are monitoring weeks in which there was no dewatering discharge, or if there is a monitoring quarter with no dewatering discharge, indicate this in your turbidity monitoring report
<table>
<tr><td>Monitoring Quarter #</td><td>Months</td><td>Reporting Deadline (no later than 30 days after end of the monitoring quarter)</td></tr>
<tr><td>1</td><td>Jan 1 – Mar 31</td><td>April 30</td></tr>
<tr><td>2</td><td>Apr 1 – Jun 30</td><td>July 30</td></tr>
<tr><td>3</td><td>Jul 1 – Sept 30</td><td>October 30</td></tr>
<tr><td>4</td><td>Oct 1 – Dec 31</td><td>January 30</td></tr>
</table></td></tr>
</table>

Taking corrective action when necessary	Corrective action will include adding additional filtration devices such as filter bags or curlex logs. If additional action is needed, a catch basin may be installed in order to allow sediment to settle prior to discharge,

TuGrupo Caribe, LLCdity Meter:

Type of tuGrupo Caribe, LLCdity meter	Should any dewatering occur, samples must be measured using a turbidity meter (to be purchased prior to dewatering) that reports results in nephelometric turbidity units (NTUs) and conforms with a Part 136-approved method (e.g., methods 180.1 and 2130). Example of the type of meter that would be used (available online):  Apera Instruments TN500 Portable White Light Turbidity Meter with Data Logger, EPA 180.1 Compliant (AI483) **Used - Very Good** $527.30

Turbidity meter manuals and manufacturer instructions

Not yet purchased as dewatering is not contemplated or necessary. However, if necessary, a model similar to the one pictured above will be purchased and the instruction manual shall be kept in the offices at the site.

SECTION 8: CERTIFICATION AND NOTIFICATION

Instructions (CGP Appendix I, Part I.11.b):

- The following certification statement must be signed and dated by a person who meets the requirements of Appendix I, Part I.11.b.
- This certification must be re-signed in the event of a SWPPP Modification.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Operator: The Cliff Corp.

Name: Victor Nieves Title: Site Manager

Signature: Date: 07/27/2022

Operator: Grupo Caribe, LLC

Name: Daniel Jones Title: Project Manager

Signature: Date: 07/27/2022

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Site Maps

Appendix B – Copy of 2022 CGP

Appendix C – NOI and EPA Authorization Email

Appendix D – Site Inspection Form and Dewatering Inspection Form (if applicable)

Appendix E – Corrective Action Log

Appendix F – SWPPP Amendment Log

Appendix G – Subcontractor Certifications/Agreements

Appendix H – Grading and Stabilization Activities Log

Appendix I – Training Documentation

Appendix J – Delegation of Authority

Appendix K – Endangered Species Documentation

Appendix L – Historic Preservation Documentation

Appendix M – Rainfall Gauge Recording

Appendix N – TuGrupo Caribe, LLCdity Meter Manual and Manufacturer's Instructions

Appendix A – Site Maps

Appendix B – Copy of 2022 CGP

(Note: The 2022 CGP is available at https://www.epa.gov/npdes/2022-construction-general-permit-cgp#2022cgp

Appendix C – Copy of NOI and EPA Authorization email

INSERT COPY OF NOI AND EPA'S AUTHORIZATION EMAIL PROVIDING COVERAGE UNDER THE CGP

Appendix D – Copy of Inspection Form

Section A – General Information	
Inspector Information	
Inspector Name: Daniel Jones	**Title: Superintendent**
Company Name: Grupo Caribe	**Email: djones@hotmail.es**
Address:	**Phone Number:**
Inspection Details	
Inspection Date:	**Inspection Location:**
Inspection Start Time:	**Inspection End Time:**
Current Phase of Construction:	**Weather Conditions During Inspection:**

Did you determine that any portion of your site was unsafe for inspection per CGP Part 4.5? ☐ Yes ☐ No

If "Yes," provide the following information:

Location of unsafe conditions:

The conditions that prevented you inspecting this location:

Indicate the required inspection frequency: (Check all that apply. You may be subject to different inspection frequencies in different areas of the site.)

Increased Frequency (CGP Part 4.3.1) (If site discharges to sediment or nutrient-impaired waters or to waters designated as Tier 2, Tier 2.5, or Tier 3):

☐ Once every 7 calendar days *and* within 24 hours of the occurrence of either:

- A storm event that produces 0.25 inches or more of rain within a 24-hour period, or
- A snowmelt discharge from a storm event that produces 3.25 inches or more of snow within a 24-hour period

Was this inspection triggered by a storm event producing 0.25 inches or more of rain within a 24-hour period? ☐ Yes ☐ No

If "Yes," how did you determine whether the storm produced 0.25 inches or more of rain?

☐ On-site rain gauge

☐ Weather station representative of site.
Weather station location:

Total rainfall amount that triggered the inspection (inches):

Section B – Condition and Effectiveness of Erosion and Sediment (E&S) Controls (CGP Part 2.2)
(Insert additional rows if needed)

Type and Location of E&S Control	Conditions Requiring Routine Maintenance?[1]	If "Yes," How Many Times (Including This Occurrence) Has This Condition Been Identified?	Conditions Requiring Corrective Action?[2, 3]	Date on Which Condition First Observed (If Applicable)?	Description of Conditions Observed
1. Perimeter Silt Fence	☐ Yes ☐ No		☐ Yes ☐ No		
2. Curlex Logs	☐ Yes ☐ No		☐ Yes ☐ No		
3. Road Sediment Trap	☐ Yes ☐ No		☐ Yes ☐ No		
4. Exit Road Tire Hose	☐ Yes ☐ No		☐ Yes ☐ No		
5. Storm Drain Inlet Curlex	☐ Yes ☐ No		☐ Yes ☐ No		
6. Natural Buffer	☐ Yes ☐ No		☐ Yes ☐ No		
If the same routine maintenance was found to be necessary three or more times for the same control at the same location (including this occurrence), follow the corrective action requirements and record the required information in your corrective action log, or describe here why you believe the specific condition should still be addressed as routine maintenance:					

[1] Routine maintenance includes minor repairs or other upkeep performed to ensure that the site's stormwater controls remain in effective operating condition, not including significant repairs or the need to install a new or replacement control. Routine maintenance is also required for specific conditions: (1) for perimeter controls, whenever sediment has accumulated to half or more the above-ground height of the control (CGP Part 2.2.3.c.i); (2) where sediment has been tracked-out from the site onto paved roads, sidewalks, or other paved areas (CGP Part 2.2.4.d); (3) for inlet protection measures, when sediment accumulates, the filter becomes clogged, and/or performance is compromised (CGP Part 2.2.10.b); and (4) for sediment basins, as necessary to maintain at least half of the design capacity of the basin (CGP Part 2.2.12.f)

[2] Corrective actions are triggered only for specific conditions (CGP Part 5.1):

1. A stormwater control needs a significant repair or a new or replacement control is needed, or, in accordance with Part 2.1.4.c, you find it necessary to repeatedly (i.e., three (3) or more times) conduct the same routine maintenance fix to the same control at the same location (unless you document in your inspection report under Part 4.7.1.c that the specific reoccurrence of this same problem should still be addressed as a routine maintenance fix under 2.1.4); or
2. A stormwater control necessary to comply with the requirements of this permit was never installed, or was installed incorrectly; or
3. Your discharges are not meeting applicable water quality standards; or
4. A prohibited discharge has occurred (see CGP Part 1.3); or

5. During the discharge from site dewatering activities:
   a. The weekly average of your tuGrupo Caribe, LLCdity monitoring results exceeds the 50 NTU benchmark (or alternate benchmark if approved by EPA pursuant to Part 3.3.2.b); or
   b. You observe or you are informed by EPA, State, or local authorities of the presence of the conditions specified in Part 4.6.3.e.

[3] If a condition on your site requires a corrective action, you must also fill out a corrective action log found at https://www.epa.gov/npdes/construction-general-permit-resources-tools-and-templates. See CGP Part 5.4 for more information.

Section C – Condition and Effectiveness of Pollution Prevention (P2) Practices and Controls (CGP Part 2.3) (Insert additional rows if needed)					
Type and Location of P2 Practices and Controls	**Conditions Requiring Routine Maintenance?[1]**	**If "Yes," How Many Times (Including This Occurrence) Has This Condition Been Identified?**	**Conditions Requiring Corrective Action?[2, 3]**	**Date on Which Condition First Observed (If Applicable)?**	**Description of Conditions Observed**
1. Equipment Fueling, Maintenance and Wash	☐ Yes ☐ No		☐ Yes ☐ No		
2. Storage of building products and waste	☐ Yes ☐ No		☐ Yes ☐ No		
3. Storage of chemicals or fertilizers	☐ Yes ☐ No		☐ Yes ☐ No		
4.	☐ Yes ☐ No		☐ Yes ☐ No		
If the same routine maintenance was found to be necessary three or more times for the same control at the same location (including this occurrence), follow the corrective action requirements and record the required information in your corrective action log, or describe here why you believe the specific condition should still be addressed as routine maintenance:					

Section D – Stabilization of Exposed Soil (CGP Part 2.2.14) (Insert additional rows if needed)					
Specific Location That Has Been or Will Be Stabilized	**Stabilization Method and Applicable Deadline**	**Stabilization Initiated?**	**Final Stabilization Criteria Met?**	**Final Stabilization Photos Taken?**	**Notes**
1.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	
2.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	
3.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	
4.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	
5.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	

[4] If a dewatering discharge was occurring, you must conduct a dewatering inspection pursuant to CGP Part 4.3.2 and complete a separate dewatering inspection report.

Section E – Description of Discharges (CGP Part 4.6.2)

(Insert additional rows if needed)

Was a discharge (not including dewatering) occurring from any part of your site at the time of the inspection?[4] ☐ Yes ☐ No

If "Yes," for each point of discharge, document the following:

- The visual quality of the discharge.
- The characteristics of the discharge, including color; odor; floating, settled, or suspended solids; foam; oil sheen; and other indicators of stormwater pollutants.
- Signs of the above pollutant characteristics that are visible from your site and attributable to your discharge in receiving waters or in other constructed or natural site drainage features.

Discharge Location	**Observations**
1.	
2.	
3.	
4.	
5.	

Section F – Signature and Certification (CGP Part 4.7.2)	
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information contained therein. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information contained is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."	
MANDATORY: Signature of Operator or "Duly Authorized Representative:"	
Signature:	**Date:**
Printed Name:	**Affiliation:**
OPTIONAL: Signature of Contractor or Subcontractor	
Signature:	**Date:**
Printed Name:	**Affiliation:**

Appendix E – Copy of Corrective Action Form

2022 CGP Corrective Action Log
Project Name: _____
NPDES ID Number: _____

Section A – Individual Completing this Log	
Name: Daniel Jones	**Title: Superintendent**
Company Name: Grupo Caribe	**Email: djones@hotmail.es**
Address:	**Phone Number:**
Section B – Details of the Problem (CGP Part 5.4.1.a) Complete this section within 24 hours of discovering the condition that triggered corrective action.	
Date problem was first identified:	**Time problem was first identified**:
What site conditions triggered this corrective action? *(Check the box that applies. See instructions for a description of each triggering condition (1 thru 6).)* ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5a ☐ 5b ☐ 6	
Specific location where problem identified:	
Provide a description of the specific condition that triggered the need for corrective action and the cause (if identifiable):	
Section C – Corrective Action Completion (CGP Part 5.4.1.b) Complete this section within 24 hours after completing the corrective action.	
For site condition # 1, 2, 3, 4, or 6 (those not related to a dewatering discharge) confirm that you met the following deadlines (CGP Part 5.2.1):	
☐ Immediately took all reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. **AND**	
☐ Completed corrective action by the close of the next business day, unless a new or replacement control, or significant repair, was required. **OR**	
☐ Completed corrective action within seven (7) calendar days from the time of discovery because a new or replacement control, or significant repair, was necessary to complete the installation of the new or modified control or complete the repair. **OR**	
☐ It was infeasible to complete the installation or repair within 7 calendar days from the time of discovery. Provide the following additional information: Explain why 7 calendar days was infeasible to complete the installation or repair:	
Provide your schedule for installing the stormwater control and making it operational as soon as feasible after the 7 calendar days:	
For site condition # 5a, 5b, or 6 (those related to a dewatering discharge), confirm that you met the following deadlines:	

☐ Immediately took all reasonable steps to minimize or prevent the discharge of pollutants until a solution could be implemented, including shutting off the dewatering discharge as soon as possible depending on the severity of the condition taking safety considerations into account.

☐ Determined whether the dewatering controls were operating effectively and whether they were causing the conditions.

☐ Made any necessary adjustments, repairs, or replacements to the dewatering controls to lower the tuGrupo Caribe, LLCdity levels below the benchmark or remove the visible plume or sheen.

Describe any modification(s) made as part of corrective action: (Insert additional rows below if applicable)	**Date of completion:**	**SWPPP update necessary?**	**If yes, date SWPPP was updated:**
1.		☐ Yes ☐ No	
2.		☐ Yes ☐ No	

Section D - Signature and Certification (CGP Part 5.4.2)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information contained therein. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information contained is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

MANDATORY: Signature of Operator or "Duly Authorized Representative:"	
Signature:	**Date:**
Printed Name:	**Affiliation:**
OPTIONAL: Signature of Contractor or Subcontractor	
Signature:	**Date:**
Printed Name:	**Affiliation:**

Appendix F – *Sample* SWPPP Amendment Log

No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]
1	Update SWPPP to 2022 CGP, updated Operator and Subcontractor, updated ESA Species and Critical Habitat Maps, updated project timeline, updated BMPs	4/29/2022	Lic. Alfredo Cintrón
2	Updated site plan	5/23/2022	Lic. Alfredo Cintrón
3	Updated Additional Operator, Discharge Points, BMP's, Contact Information	6/28/2022	Daniel Jones/Nivia Ayala
4	Updated site plan and Erosion Control Measurements	7/27/2022	Arq. Victor Nieves/Nivia Ayala
		INSERT DATE	
		INSERT DATE	

Appendix G – *Sample* Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION
STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

_____

_____

Signature: _____

Title: _____

Date: _____

Appendix H – *Sample* Grading and Stabilization Activities Log

Date Grading Activity Initiated	**Description of Grading Activity**	**Description of Stabilization Measure and Location**	**Date Grading Activity Ceased** (Indicate Temporary or Permanent)	**Date When Stabilization Measures Initiated**
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE

Appendix I – *Sample* SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name:

Project Location:

Instructor's Name(s):

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- ☐ **Sediment and Erosion Controls**
- ☐ **Stabilization Controls**
- ☐ **Pollution Prevention Measures**
- ☐ **Emergency Procedures**
- ☐ **Inspections/Corrective Actions**

Specific Training Objective:_____

_____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		

Appendix J – *Sample* Delegation of Authority Form

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit (CGP), at the _____ construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

_____ (name of person or position)
_____ (company)
_____ (address)
_____ (city, state, zip)
_____ (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Appendix I of EPA's CGP, and that the designee above meets the definition of a "duly authorized representative" as set forth in Appendix I.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Company: _____

Title: _____

Signature: _____

Date: _____

Appendix K – Endangered Species Documentation

INSERT DOCUMENTATION CONSISTENT WITH SWPPP TEMPLATE SECTION 3.1 AND CGP APPENDIX D

Appendix L – Historic Properties Documentation

INSERT DOCUMENTATION CONSISTENT WITH SWPPP TEMPLATE SECTION 3.2 AND CGP APPENDIX E

Appendix M – Rainfall Gauge Recording

Use the table below to record the rainfall gauge readings at the beginning and end of each work day. An example table follows.

Month/Year			Month/Year			Month/Year		
Day	Start time	End time	Day	Start time	End time	Day	Start time	End time
1			1			1		
2			2			2		
3			3			3		
4			4			4		
5			5			5		
6			6			6		
7			7			7		
8			8			8		
9			9			9		
10			10			10		
11			11			11		
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31			31			31		